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(C) WPI/Derwent

AN - 1997-037989 [04]
AP - JP19950104463 19950427
CPY - SUMO
DC - E14
DR - 0232-P 0679-S 1512-S 1514-S 1532-S
FS - CPI
IC - C07C209/84 ; C07C211/46
MC - E10-B04A1 E11-Q01
M3 - [01] G010 G100 H1 H100 H141 M280 M320 M414 M510 M520 M531 M540 M720
M903 M904 M910 N163 N201 N209 N273 N309 N361 N412 N422 N513; R00232-P;
0232-P
PA - (SUMO) SUMITOMO CHEM CO LTD
PN - JP8295654 A 19961112 DW199704 C07C211/46 004pp
PR - JP19950104463 19950427
XA - C1997-011936
XIC - C07C-209/84 ; C07C-211/46
AB - J08295654 Purificn. of aniline comprises contacting phenols-contg.
aniline soln. with dil. aq. soln. of alkali. Phenols-contg. aniline
soln. is prepd. by hydrogenation of nitrobenzene. The concn. of alkali
in the aq. layer after contacting a soln. of aniline with an aq. soln.
of alkali is 0.1-0.7 wt. %. The molar ratio of alkali to phenols is
3-500. Sodium hydroxide or potassium hydroxide are pref.
- ADVANTAGE - Colourless aniline with little phenols is prepd. without
such problems as handling waste oil with high b. pt. and corrosion of
distn. tower.
- In an example, an aq. soln. of sodium hydroxide was added to a
reaction soln. of aniline (concn. of NaOH in the aq. layer is 0.16 wt.
%), which was mixed and sepd. into aq. layer and oil layer. The oil
layer was distilled to give purified aniline with phenol content of
less than 5 ppm.(Dwg.0/0)
CN - R00232-P
DRL - 0232-P
IW - PURIFICATION ANILINE EASY REMOVE PHENOL CONTACT PHENOL CONTAIN ANILINE
ALKALI AQUEOUS SOLUTION
IKW - PURIFICATION ANILINE EASY REMOVE PHENOL CONTACT PHENOL CONTAIN ANILINE
ALKALI AQUEOUS SOLUTION
NC - 001
OPD - 1995-04-27
ORD - 1996-11-12
PAW - (SUMO) SUMITOMO CHEM CO LTD
TI - Purificn. of aniline with easy removal of phenol - by contacting
phenol(s)-contg. aniline with alkali aq. soln.